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FIG. 1

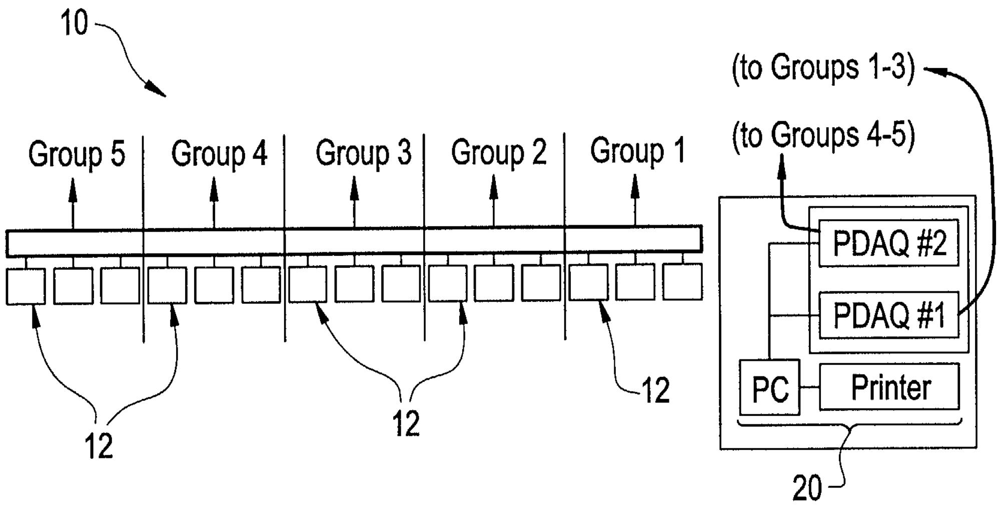
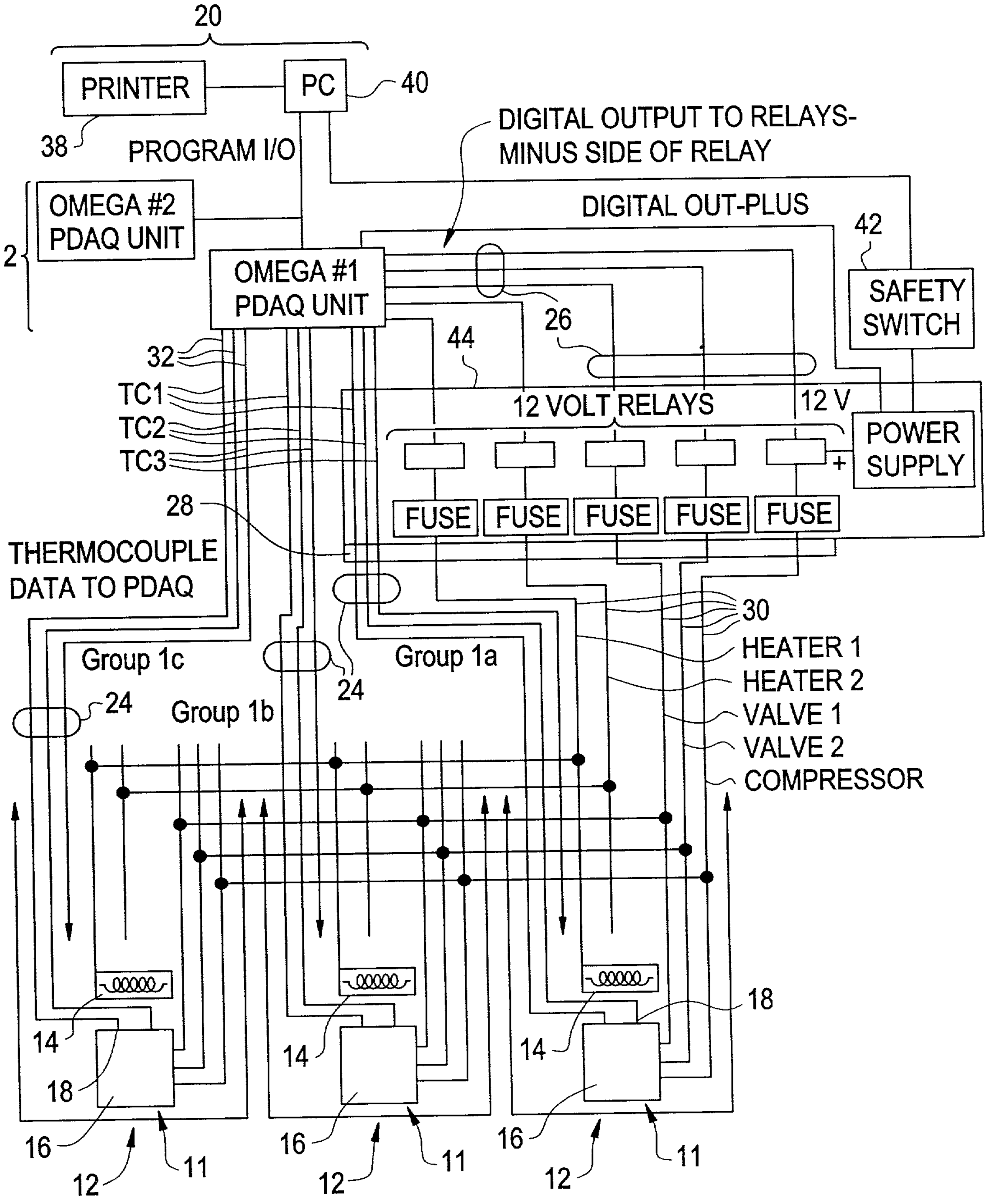


FIG. 2



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# FIG. 3A

| Digital Ch | PDAQ | Group | Name |
|---|---|---|---|
| 1 | 153913 | | 1 Comp |
| 2 | 153913 | | 1 Small Htr |
| 3 | 153913 | | 1 Large Htr |
| 4 | 153913 | | 1 Sol #1 |
| 5 | 153913 | | 1 Sol #2 |
| 6 | 153913 | | 2 Comp |
| 7 | 153913 | | 2 Small Htr |
| 8 | 153913 | | 2 Large Htr |
| 9 | 153913 | | 2 Sol #1 |
| 10 | 153913 | | 2 Sol #2 |
| 11 | 153913 | | 3 Comp |
| 12 | 153913 | | 3 Small Htr |
| 13 | 153913 | | 3 Large Htr |
| 14 | 153913 | | 3 Sol #1 |
| 15 | 153913 | | 3 Sol #2 |
| 16 | 153913 | NOT USED | |

| Analog Ch | PDAQ | Group | Name |
|---|---|---|---|
| 1 | 153913 | 1a | tc0 |
| 2 | 153913 | 1a | tc1 |
| 3 | 153913 | 1a | tc2 |
| 4 | 153913 | 1b | tc0 |
| 5 | 153913 | 1b | tc1 |
| 6 | 153913 | 1b | tc2 |
| 7 | 153913 | 1c | tc0 |
| 8 | 153913 | 1c | tc1 |
| 9 | 153913 | 1c | tc2 |
| 10 | 153913 | 2a | tc0 |
| 11 | 153913 | 2a | tc1 |
| 12 | 153913 | 2a | tc2 |
| 13 | 153913 | 2b | tc0 |
| 14 | 153913 | 2b | tc1 |
| 15 | 153913 | 2b | tc2 |
| 16 | 153913 | 2c | tc0 |
| 17 | 153913 | 2c | tc1 |
| 18 | 153913 | 2c | tc2 |
| 19 | 153913 | 3a | tc0 |
| 20 | 153913 | 3a | tc1 |
| 21 | 153913 | 3a | tc2 |
| 22 | 153913 | 3b | tc0 |
| 23 | 153913 | 3b | tc1 |
| 24 | 153913 | 3b | tc2 |
| 25 | 153913 | 3c | tc0 |
| 26 | 153913 | 3c | tc1 |
| 27 | 153913 | 3c | tc2 |
| 28 | 153913 | NOT USED | NOT USED |
| 29 | 153913 | NOT USED | NOT USED |
| 30 | 153913 | NOT USED | NOT USED |

# FIG. 3B

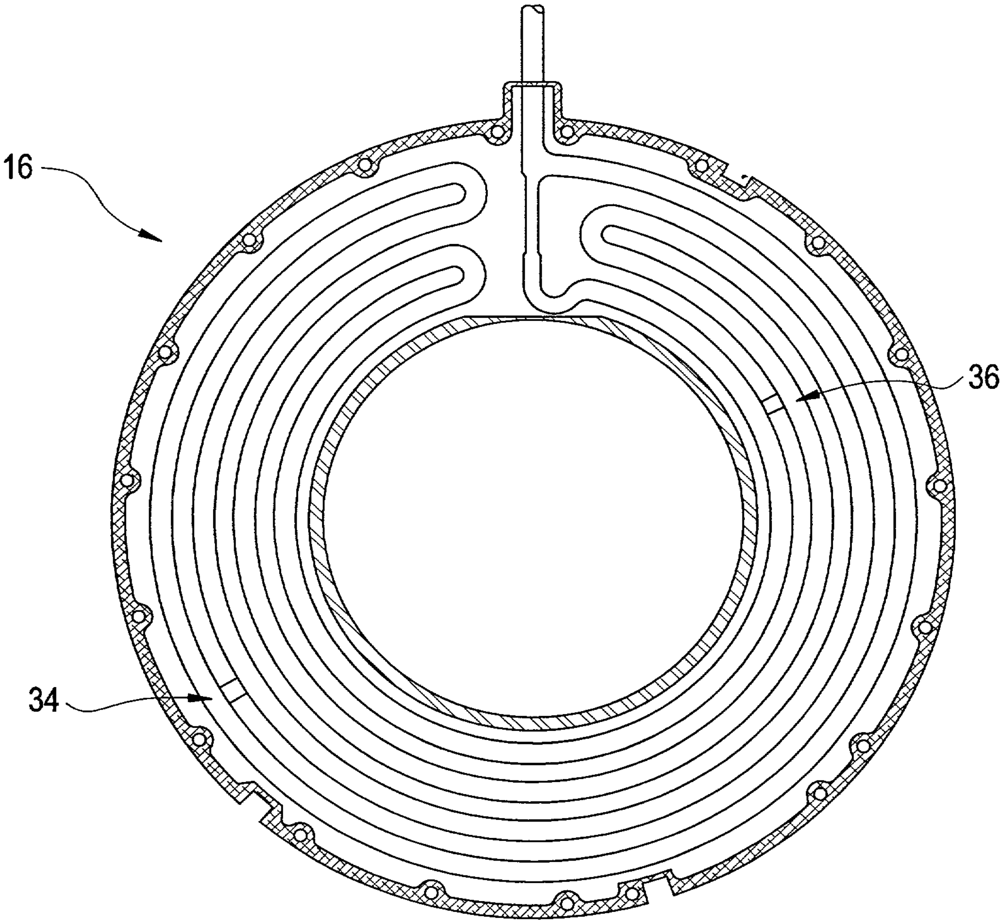
Digital

| Ch | PDAQ | Group | Name |
|---|---|---|---|
| 1 | 154198 | | 4 Comp |
| 2 | 154198 | | 4 Small Htr |
| 3 | 154198 | | 4 Large Htr |
| 4 | 154198 | | 4 Sol #1 |
| 5 | 154198 | | 4 Sol #2 |
| 6 | 154198 | | 5 Comp |
| 7 | 154198 | | 5 Small Htr |
| 8 | 154198 | | 5 Large Htr |
| 9 | 154198 | | 5 Sol #1 |
| 10 | 154198 | | 5 Sol #2 |
| 11 | 154198 | NOT USED | NOT USED |
| 12 | 154198 | NOT USED | NOT USED |
| 13 | 154198 | NOT USED | NOT USED |
| 14 | 154198 | NOT USED | NOT USED |
| 15 | 154198 | NOT USED | NOT USED |
| 16 | 154198 | NOT USED | NOT USED |

Analog

| Ch | PDAQ | Group | Name |
|---|---|---|---|
| 1 | 154198 | 4a | tc0 |
| 2 | 154198 | 4a | tc1 |
| 3 | 154198 | 4a | tc2 |
| 4 | 154198 | 4b | tc0 |
| 5 | 154198 | 4b | tc1 |
| 6 | 154198 | 4b | tc2 |
| 7 | 154198 | 4c | tc0 |
| 8 | 154198 | 4c | tc1 |
| 9 | 154198 | 4c | tc2 |
| 10 | 154198 | 5a | tc0 |
| 11 | 154198 | 5a | tc1 |
| 12 | 154198 | 5a | tc2 |
| 13 | 154198 | 5b | tc0 |
| 14 | 154198 | 5b | tc1 |
| 15 | 154198 | 5b | tc2 |
| 16 | 154198 | 5c | tc0 |
| 17 | 154198 | 5c | tc1 |
| 18 | 154198 | 5c | tc2 |
| 19 | 154198 | | - AMBIENT - Group 1 |
| 20 | 154198 | | - AMBIENT - Group 2 |
| 21 | 154198 | | - AMBIENT - Group 3 |
| 22 | 154198 | | - AMBIENT - Group 4 |
| 23 | 154198 | | - AMBIENT - Group 5 |
| 24 | 154198 | | NOT USED |
| 25 | 154198 | | NOT USED |
| 26 | 154198 | | NOT USED |
| 27 | 154198 | | NOT USED |
| 28 | 154198 | | NOT USED |
| 29 | 154198 | | NOT USED |
| 30 | 154198 | | NOT USED |

FIG. 4



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